

1 Percentages shown are approximate midpoints of arbitrary ranges are bounded by multiples of the progression 1.0, 2.1, 4.6, and 10.0. For the semiquantitative spectrographic analyses, at least 60 percent of the reported results are expected to be in the correct range.

EXPLANATION

Semiquantitative spectrographic analyses

Chemical analyses

Lower limit of sensitivity of semiquantitative spectrographic analysis

Column A, 6 samples from the Colorado (1), Carlile (4), and Belle Fourche (1) shales.

B, 20 samples of the Baculites obtusus s. l. zone from the Pierre (4) and Claggett (14) shales, and the lower part of the Judith River formation (2). Does not include 2 samples from strata between the Baculites obtusus s. l. and B. compressus s. l. zones (see table 2).

C, 25 samples of the Baculites compressus s. l. zone from the Pierre (16), Bearpaw (7), and Lewis shales (2).

D, 2 samples of the Baculites clinolobatus zone from the Pierre shale and equivalent parts of the Hell Creek and Lance formations.